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(54) **SYSTEMS, DEVICES, AND METHODS FOR DELIVERY OF PULSED ELECTRIC FIELD ABLATIVE ENERGY TO ESOPHAGEAL TISSUE**

(57) Systems, devices, and methods for electroporation ablation therapy are disclosed in the context of esophageal ablation. An ablation device may include a first catheter defining a longitudinal axis and a lumen therethrough. A balloon may be coupled to the first catheter. The balloon may be configured to transition between a deflated configuration and an inflated configuration. A second catheter may extend from a distal end of the first

catheter lumen. A set of splines including electrodes formed on a surface of each of the splines may couple to the distal end of the first catheter lumen and a distal portion of the second catheter. The second catheter may be configured for translation along the longitudinal axis to transition the set of splines between a first configuration and a second configuration.

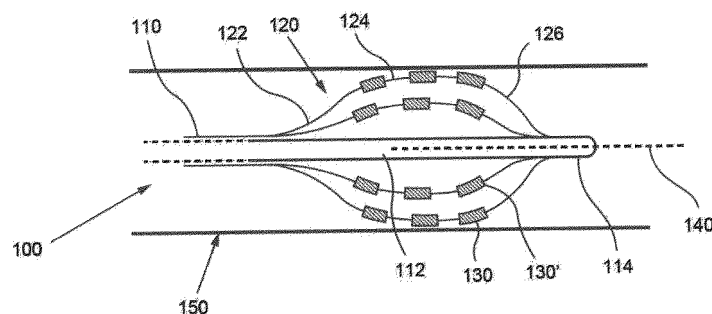


FIG. 1



EUROPEAN SEARCH REPORT

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EP 24 18 3828

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Y	* paragraphs [0007], [0026], [0028], [0030], [0032], [0033], [0041] - [0043], [0045], [0047] * * figures 2,5,6,7 *	3,6-12	A61B18/14 A61B17/00 A61B18/00 A61N1/05 A61N1/372
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	* paragraphs [0160], [0163], [0164]; figure 25 *		
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 November 2024	Examiner Neumann, Wiebke
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EP 24 18 3828

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EPO FORM P0459

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